



05909 U.S. PTO

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PTO/SB/05 (12/97)  
Approved for use through 09/30/00. OMB 0651-0032  
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|  |   |                           |             |    |
|--|---|---------------------------|-------------|----|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><br>(Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No.   | 140283-1/YOD<br>GERD:0105 | Total Pages | 64 |
|  | First Named Inventor or Application Identifier<br>William Thomas Hatfield |                           |             |    |
|  | Express Mail Label No.  | EV 365 158 139 US         |             |    |

|   |  |
|---|--|
| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents.   | <b>ADDRESS TO:</b> Commissioner for Patents<br>Mail Stop Patent Application, P.O. Box 1450<br>Alexandria, VA 22313-1450  |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form<br>(Submit an original, and a duplicate for fee processing)   | 6. <input type="checkbox"/> Microfiche Computer Program (Appendix)   |
| 2. <input checked="" type="checkbox"/> Specification Total Pages <u>16</u><br>(preferred arrangement set forth below)<br>-Descriptive<br>-Cross References to Related Application<br>-Statement Regarding Fed sponsored R & D<br>-Reference to Microfiche Appendix<br>-Background of the Invention<br>-Brief Summary of the Invention<br>-Brief Description of the Drawings (if filed)<br>-Detailed Description<br>-Claim(s)<br>-Abstract of the Disclosure | 7. Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)<br>a. <input type="checkbox"/> Computer Readable Copy<br>b. <input type="checkbox"/> Paper Copy (identical to computer copy)<br>c. <input type="checkbox"/> Statement verifying identity of above copies   |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) Total Sheets <u>4</u><br>Total Pages <u>12</u>   | <b>ACCOMPANYING APPLICATION PARTS</b><br>8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney<br>(where there is an assignee)<br>10. <input type="checkbox"/> English Translation Document (if applicable)<br>11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations<br>12. <input type="checkbox"/> Preliminary Amendment<br>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>14. <input checked="" type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application<br>Statement(s) Status still proper and desired<br>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)<br>16. <input type="checkbox"/> Other |
| 4. Oath or Declaration<br>a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37CFR 1.63(d))<br>(for continuation/divisional with Box 17 completed)<br>[Note Box 5 below]<br>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u><br>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).             |  |
| 5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked)<br>The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.  |  |

|  |                                    |           |  |          |                |
|--|------------------------------------|-----------|--|----------|----------------|
| 17. <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No. _____ / _____ |                                    |           |  |          |                |
| <b>18. CORRESPONDENCE ADDRESS</b>  |                                    |           |  |          |                |
| <input type="checkbox"/> Customer Number or Bar Code Label   |                                    |           | <input checked="" type="checkbox"/> Correspondence address below |          |                |
| (Insert Customer No. or Attach bar code label here)  |                                    |           |  |          |                |
| NAME   | Patrick S. Yoder<br>FLETCHER YODER |           |  |          |                |
| ADDRESS  | P.O. Box 692289                    |           |  |          |                |
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| COUNTRY  | USA                                | TELEPHONE | (281) 970-4545   | Fax      | (281) 970-4503 |

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PTO/SB/17 (10/96)

Approved for use through 09/30/98. OMB 0651-0032  
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03300 U.S. PTO

**FEE TRANSMITTAL****Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | unassigned               |
| Filing Date            | herewith                 |
| First Named Inventor   | William Thomas Hatfield  |
| Group Art Unit         | unknown                  |
| Examiner Name          | unknown                  |
| Attorney Docket Number | 140283-1/YOD (GERD:0105) |

TOTAL AMOUNT OF PAYMENT (\$)**1,338.00****METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number **07-0868/140283-1/YOD (GERD:0105)**Deposit Account Name **General Electric Global Research Center**

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

**FEE CALCULATION (fees effective 10/01/96)****1. FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid                 |
|--------------|----------|--------------|----------|------------------------|--------------------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |                          |
| 1001         | 750      | 2001         | 375      | Utility filing fee     | <u>770.00</u>            |
| 1002         | 330      | 2002         | 165      | Design filing fee      | —                        |
| 1003         | 520      | 2003         | 260      | Plant filing fee       | —                        |
| 1004         | 750      | 2004         | 375      | Reissue filing fee     | —                        |
| 1005         | 160      | 2005         | 80       | Provisional filing fee | —                        |
| SUBTOTAL (1) |          |              |          |                        | <b>(\$)<u>770.00</u></b> |

**2. CLAIMS**

| Large Entity |          | Small Entity |          | Fee Description   | Fee Paid                 |
|--------------|----------|--------------|----------|---|--------------------------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |                          |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                  | —                        |
| 1201         | 84       | 2201         | 42       | Independent claims in excess of 3                       | —                        |
| 1203         | 280      | 2203         | 140      | Multiple dependent claim                                | —                        |
| 1204         | 84       | 2204         | 42       | Reissue independent claims over original patent         | —                        |
| 1205         | 18       | 2205         | 9        | Reissue claims in excess of 20 and over original patent | —                        |
| SUBTOTAL (2) |          |              |          |   | <b>(\$)<u>528.00</u></b> |

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Fee Code      | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid                |
|---------------------|-----------------|----------------|-----------------|--|-------------------------|
| 105                 | 130             | 205            | 65              | Surcharge - late filing fee or oath  | —                       |
| 127                 | 50              | 227            | 25              | Surcharge - late provisional filing or cover sheet                         | —                       |
| 139                 | 130             | 139            | 130             | Non-English specification  | —                       |
| 147                 | 2,520           | 147            | 2,520           | For filing a request for reexamination                                     | —                       |
| 112                 | 920             | 112            | 920             | Requesting publication of SIR prior to Examiner action                     | —                       |
| 113                 | 1,840           | 113            | 1,840           | Requesting publication of SIR after Examiner action                        | —                       |
| 115                 | 110             | 215            | 55              | Extension for response within first month                                  | —                       |
| 116                 | 400             | 216            | 200             | Extension for response within second month                                 | —                       |
| 117                 | 950             | 217            | 475             | Extension for response within third month                                  | —                       |
| 118                 | 1,570           | 218            | 755             | Extension for response within fourth month                                 | —                       |
| 119                 | 310             | 219            | 155             | Notice of Appeal   | —                       |
| 120                 | 310             | 220            | 155             | Filing a brief in support of an appeal                                     | —                       |
| 121                 | 270             | 221            | 135             | Request for oral hearing   | —                       |
| 138                 | 1,510           | 138            | 1,510           | Petition to institute a public use proceeding                              | —                       |
| 140                 | 110             | 240            | 55              | Petition to revive unavoidably abandoned application                       | —                       |
| 141                 | 1,320           | 241            | 660             | Petition to revive unintentionally abandoned application                   | —                       |
| 142                 | 1,320           | 242            | 660             | Utility issue fee (or reissue)   | —                       |
| 143                 | 450             | 243            | 225             | Design issue fee   | —                       |
| 144                 | 670             | 244            | 335             | Plant issue fee  | —                       |
| 122                 | 130             | 122            | 130             | Petitions to the Commissioner  | —                       |
| 123                 | 50              | 123            | 50              | Petitions related to provisional applications                              | —                       |
| 126                 | 240             | 126            | 240             | Submission of Information Disclosure Stmt                                  | —                       |
| 581                 | 40              | 581            | 40              | Recording each patent assignment per property (times number of properties) | <u>40.00</u>            |
| 146                 | 790             | 246            | 395             | Filing a submission after final rejection (37 CFR 1.129(a))                | —                       |
| 149                 | 790             | 249            | 395             | For each additional invention to be examined (37 CFR 1.129(b))             | —                       |
| Other fee (specify) |                 |                |                 |  | —                       |
| Other fee (specify) |                 |                |                 |  | —                       |
| SUBTOTAL (3)        |                 |                |                 |  | <b>(\$)<u>40.00</u></b> |

\* Reduced by Basic Filing Fee Paid

**SUBMITTED BY**

Complete (if applicable)

|                       |                  |                       |                                  |
|-----------------------|------------------|-----------------------|----------------------------------|
| Typed or Printed Name | Patrick S. Yoder | Reg. Number           | 37,479                           |
| Signature             |                  | Date                  | March 30, 2004                   |
|                       |                  | Deposit Acct. User ID | 07-0868/140283-1/YOD (GERD:0105) |